

Description of Additional Supplementary Files

Supplementary Data 1. Transcriptomic analysis (RNA-seq). Change of mRNA levels (Log2) and adjusted P-values (using empirical BAYES moderated t-statistics test) of the different comparisons are provided. Sheet 1, all expressed genes; Sheet 2, early upregulated genes; Sheet 3, late upregulated genes; Sheet 4, early downregulated genes; Sheet 5, late downregulated genes; Sheet 6, transient upregulated genes; Sheet 7, transient downregulated genes.

Supplementary Data 2. Classification and regulation by TGF β of the enhancers from NMuMG cells. Chromosome, Coordinates, ATAC peak name, strand, enhancer class previous to TGF β treatment and enhancer regulation after TGF β , are provided.

Supplementary Data 3. List of TRDs. Chromosome, TRD coordinates and gene composition are provided. Sheet 1, early upregulated TRDs; Sheet 2, late upregulated TRDs; Sheet 3, early downregulated TRDs; Sheet 4, late downregulated TRDs.

Supplementary Data 4. Oligonucleotides and sgRNA sequences. Sheet 1, sgRNAs; Sheet 2, Oligonucleotides for RT-qPCR; Sheet 3, Oligonucleotides for ChIP-PCR.

Supplementary Data 5. Sample size (n) of the distributions and exact p-values from statistical tests.